

ABSTRACT**IMAGING METHOD**

5 A method for imaging molecules contained in an array of discrete reaction sites on the surface of a solid support comprises:

- (i) imaging the array and detecting a first molecule located on the solid support at a known position with respect to the array;
- (ii) by reference to the first molecule, aligning inspection windows in registration
- 10 with the discrete reaction sites; and
- (iii) determining the amount of detectable signal in each window.

The method is used to locate the reaction sites accurately on the array, and to correct for any misalignments.